

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A method comprising:

measuring power of a first signal associated with a first cell of a frequency division multiple access (FDMA) system;

measuring power of a second signal associated with a second cell of the FDMA system, the second cell being adjacent to the first cell in terms of frequency; and

setting a value indicative of the measured power of the second signal to a negligible value when the measured power of the second signal is at least a more than a threshold predetermined margin value less lower than the measured power of the first signal.

Claim 2 (Original): The method of claim 1, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 3 (Original): The method of claim 1, wherein the negligible value is approximately equal to zero.

Claim 4 (Currently Amended): The method of claim 1, wherein the threshold predetermined margin value is in a range of approximately 10 to 20 decibels.

Claim 5 (Currently Amended): The method of claim 4, wherein the threshold predetermined margin value is approximately 15 decibels.

Claim 6 (Currently Amended): The method of claim 1, further comprising:

measuring power of a plurality of signals associated with a plurality of cells of the FDMA system; and

setting a value indicative of a measured power of a given one of the signals associated with a given cell to a negligible value when the measured power of the given signal is at least a more than a threshold predetermined margin value less lower than a measured power of another one of the signals associated with an adjacent cell to the given cell.

Claim 7 (Original): The method of claim 6, further comprising:

prioritizing the plurality of signals based on values indicative of the measured power of the signals;
selecting a desirable one of the cells based at least in part on the prioritization; and
registering with a network associated with the desirable cell.

Claim 8 (Withdrawn): A method comprising:

receiving a signal associated with a cell of a frequency division multiple access (FDMA) system, the cell spanning a first frequency range;
filtering the signal to a second frequency range, wherein the second frequency range is smaller than the first frequency range; and
measuring power of the filtered signal to identify an estimate of power associated with the cell.

Claim 9 (Withdrawn): The method of claim 8, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 10 (Withdrawn): The method of claim 9, wherein the first frequency range is approximately 200 kilohertz and the second frequency range is approximately 100 kilohertz.

Claim 11 (Withdrawn): The method of claim 8, further comprising:

filtering a plurality of signals associated with cells of the FDMA system to the second frequency range;
measuring power of the plurality of filtered signals;
prioritizing the plurality of filtered signals based on the measured power of the filtered signals;

selecting a desirable one of the cells based at least in part on the prioritization; and
registering with a network associated with the desirable cell.

Claim 12 (Currently Amended): A subscriber unit of a frequency division multiple access (FDMA) system comprising:

a receiver to receive a first signal associated with a first cell of the FDMA system and a second signal associated with a second cell of the FDMA system, the second cell being adjacent to the first cell in terms of frequency; and

a control unit to measure power of the first and second signals and set a value indicative of the measured power of the second signal to a negligible value when the measured power of the second signal is at least a more than a threshold predetermined margin value less lower than the measured power of the first signal.

Claim 13 (Original): The subscriber unit of claim 12, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 14 (Original): The subscriber unit of claim 12, wherein the negligible value is approximately equal to zero.

Claim 15 (Currently Amended): The subscriber unit of claim 12, wherein the threshold predetermined margin value is in a range of approximately 10 to 20 decibels.

Claim 16 (Currently Amended): The subscriber unit of claim 12, wherein the threshold predetermined margin value is approximately 15 decibels.

Claim 17 (Currently Amended): The subscriber unit of claim 12, wherein the receiver receives a plurality of signals associated with a plurality of cells of the FDMA system, and the control unit measures power of the plurality of signals and sets a given value indicative of a measured power of a given one of the signals associated with a given one of the cells to a negligible value when the measured power of the given signal is at least the predetermined

margin value lower less than a measured power of another signal associated with an adjacent cell to the given cell.

Claim 18 (Original): The subscriber unit of claim 17, wherein the control unit prioritizes the plurality of signals based on values indicative of the measured power of the signals, selects a desirable one of the cells based at least in part on the prioritization, and causes the subscriber unit to register with a network associated with the desirable cell.

Claim 19 (Withdrawn): A subscriber unit of a frequency division multiple access (FDMA) system comprising:

 a receiver to receive a signal associated with a cell of a frequency division multiple access (FDMA) system, the cell spanning a first frequency range; and

 a control unit to filter the signal to a second frequency range, wherein the second frequency range is smaller than the first frequency range, and measure power of the filtered signal to identify an estimate of power associated with the cell.

Claim 20 (Withdrawn): The subscriber unit of claim 19, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 21 (Withdrawn): The subscriber unit of claim 20, wherein the first frequency range is approximately 200 kilohertz and the second frequency range is approximately 100 kilohertz.

Claim 22 (Withdrawn): The subscriber unit of claim 19, wherein the control unit filters a plurality of signals associated with cells of the FDMA system to the second frequency range, measures power of the plurality of filtered signals, prioritizes the plurality of filtered signals based on the measured power of the filtered signals, selects a desirable one of the cells based at least in part on the prioritization, and causes the subscriber unit to register with a network associated with the desirable one of the cells.

Claim 23 (Currently Amended): A computer-readable medium comprising instructions to cause subscriber unit of a frequency division multiple access (FDMA) system to:

measure power of a first signal associated with a first cell of the FDMA system;

measure power of a second signal associated with a second cell of the FDMA system, the second cell being adjacent to the first cell in terms of frequency; and

set a value indicative of the measured power of the second signal to a negligible value when the measured power of the second signal is at least a more than a threshold predetermined margin value less lower than the measured power of the first signal.

Claim 24 (Original): The computer-readable medium of claim 23, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 25 (Currently Amended): The computer-readable medium of claim 23, wherein the threshold predetermined margin value is in a range of approximately 10 to 20 decibels.

Claim 26 (Withdrawn): A computer-readable medium comprising instructions to cause subscriber unit of a frequency division multiple access (FDMA) system to:

receive a signal associated with a cell of the FDMA system, the cell spanning a first frequency range;

filter the signal to a second frequency range, wherein the second frequency range is smaller than the first frequency range; and

measure power of the filtered signal to identify an estimate of power associated with the cell.

Claim 27 (Withdrawn): The computer-readable medium of claim 26, wherein the FDMA system comprises a global system for mobile communications (GSM) system.

Claim 28 (Withdrawn): The computer-readable medium of claim 27, wherein the first frequency range is approximately 200 kilohertz and the second frequency range is approximately 100 kilohertz.

Claim 29 (Currently Amended): A subscriber unit of a frequency division multiple access (FDMA) system comprising:

means for receiving a first signal associated with a first cell the FDMA system and a second signal associated with a second cell of the FDMA system, the second cell being adjacent to the first cell in terms of frequency;

means for measuring power of the first and second signals; and

means for setting a value indicative of the measured power of the second signal to a negligible value when the measured power of the second signal is at least a more than a threshold predetermined margin value lower ~~less~~ than the measured power of the first signal.

Claim 30 (Currently Amended): The subscriber unit of claim 29, wherein the FDMA system comprises a global system for mobile communications (GSM) system, and the ~~threshold predetermined margin value~~ is in a range of approximately 10 to 20 decibels.

Claim 31 (Withdrawn): A subscriber unit of a frequency division multiple access (FDMA) system comprising:

means for receiving a signal associated with a cell of the FDMA system, the cell spanning a first frequency range;

means for filtering the signal to a second frequency range, wherein the second frequency range is smaller than the first frequency range; and

means for measuring power of the filtered signal to identify an estimate of power associated with the cell.

Claim 32 (Withdrawn): The subscriber unit of claim 31, wherein the FDMA system comprises a global system for mobile communications (GSM) system, and the first frequency range is approximately 200 kilohertz and the second frequency range is approximately 100 kilohertz.